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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/568,694	09/18/2006	Hiroshi Ujiie	P29320	4550
	7590 03/24/201 & BERNSTEIN, P.L.0	EXAMINER		
1950 ROLAND	CLARKE PLACE		DICKINSON, PAUL W	
RESTON, VA 20191			ART UNIT	PAPER NUMBER
			1618	
			NOTIFICATION DATE	DELIVERY MODE
			03/24/2010	ELECTRONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

gbpatent@gbpatent.com pto@gbpatent.com

	Application No.	Applicant(s)		
	10/568,694	UJIIE ET AL.		
Office Action Summary	Examiner	Art Unit		
	PAUL DICKINSON	1618		
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the c	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mailinearned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION .136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status				
Responsive to communication(s) filed on 17 3 This action is FINAL . 2b) ☐ This action is FINAL . Since this application is in condition for allowed closed in accordance with the practice under	is action is non-final. ance except for formal matters, pro			
Disposition of Claims				
4) Claim(s) 1-10 is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) 1-10 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/ Application Papers 9) The specification is objected to by the Examin 10) The drawing(s) filed on 17 February 2006 is/a Applicant may not request that any objection to the Replacement drawing sheet(s) including the correctable.	awn from consideration. for election requirement. her. are: a)⊠ accepted or b)□ objecte e drawing(s) be held in abeyance. See ction is required if the drawing(s) is objecte	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
11) The oath or declaration is objected to by the E	Examiner, Note the attached Office	Action of form PTO-132.		
Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 9/26/2006 and 9/17/2009.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal F 6) Other:	ate		

DETAILED ACTION

Claim Rejections - 35 USC § 112, Second Paragraph

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 2, 6-8, and 10 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

It is unclear what "expanded polytetrafluoroethylene" is. This term isn't defined by the specification. How would one determine if a certain polytetrafluoroethylene is expanded or not? Is there a baseline non-expanded polytetrafluoroethylene to compare expanded polytetrafluoroethylene to? Is expanded polytetrafluoroethylene a polytetrafluoroethylene with a certain volume? With a certain density?

It is unclear how silicone could be a polymer material containing carbon as a constitutional element. If "carbon as a constitutional element" means having carbon as the main element present, either by number or weight, most silicones would not fall into this category, and would not be considered "polymer materials containing carbon as a constitutional element". For example, many oligosiloxanes have the general formula $R_nSiX_mO_y$, where R is a non reactive substituent, usually Me, and X is a functional group such as H, OH, or Cl. In this case, as with most silicones, carbon is not the main element present, either by number or weight, and thus would not be considered a polymer material "containing carbon as a constitutional element".

Application/Control Number: 10/568,694 Page 3

Art Unit: 1618

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by US 20020155295 ('295). '295 discloses a method comprising bombarding ions onto expanded polytetrafluoroethylene (ePTFE) (a polymer material containing carbon as a constitutional element) with a dose volume of 1 x 10¹³ to less than 1 x 10¹⁶ ions/cm² (see abstract; paragraphs 5-17; examples). This satisfies claims 1-2, 4-6, and 8-10. The acceleration energy is between 50 KeV to 150 KeV (i.e between 50 KeV to 0.150 MeV) (see paragraph 42). This satisfies instant claims 3 and 7.

The recitation "a material for treating aneurysms" is an intended use limitation. The recitation of an intended use of the claimed invention must result in a structural difference between the claimed invention and the prior art in order to patentably distinguish the claimed invention from the prior art. If the prior art structure is capable of performing the intended use, then it meets the claim. In the instant case, '295 discloses a material composed of a polymer material containing carbon as a constitutional element, produced by modifying at least a portion of the surface thereof by ion bombardment. The material of '295 meets all the structural requirements of the instant claims and is therefore fully capable of being used for the intended use, i.e. treating aneurysms.

Application/Control Number: 10/568,694 Page 4

Art Unit: 1618

Claims 1-10 are rejected under 35 U.S.C. 102(b) as being anticipated by US 5891192 ('192). '192 discloses a material for treating aneurysms (see abstract), which may be composed of a bioabsorbable polymer, such as poly-L-lactide (polylactic acid; a polymer material containing carbon as a constitutional element) (see col 2, lines 36-63), which is produced by modifying at least a portion of the surface thereof by ion bombardment (see col 1, line 56 to col 2, line 15). This satisfies claims 1-2 and 6. The dose volume may be 1 x 10¹⁵ ions/cm² (see col 4, lines 15-17). This satisfies instant claims 4-5 and 8-10. The acceleration energy may be about 10 KeV to 1000 KeV (see col 3, lines 15-28). This satisfies instant claims 3 and 7.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to PAUL DICKINSON whose telephone number is (571)270-3499. The examiner can normally be reached on Mon-Thurs 9:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael G. Hartley can be reached on 571-272-0616. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Eric E Silverman/ Primary Examiner, Art Unit 1618 Paul Dickinson Examiner AU 1618

March 16, 2010